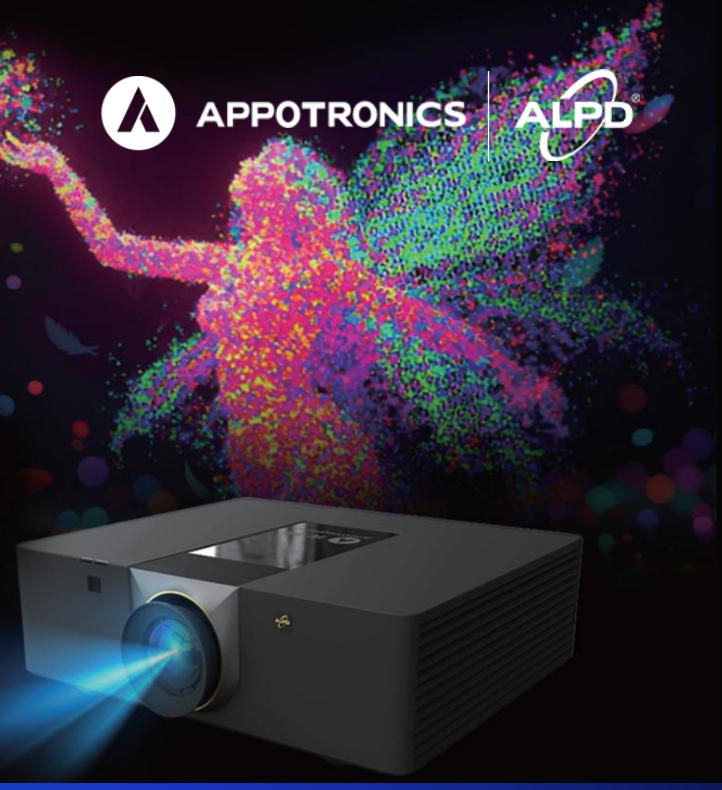
APPOTRONICS | ALPD®

M Pro NEW SERIES

BREATHTAKING COLOR IMMERSIVE WORLD

4K UHD Laser Projector

MK650A / MK750A



- ALPD® Light Engine Red Ratio>12%
- 4K UHD
- Powered Optional Lenses
- Premium Visual Fidelity NO Distortion
- 6,500 – 7,500
- Advanced Geometric Correction
- Remote Intelligent Control

Enhancement of Every Stunning Swing & Art Reveal

- Designed for immersive scenes, the MPro series delivers sharp, realistic visuals at 4K FHD with over 12% red light ratio.
- With the advanced MEMC motion compensation and AI PQ image enhancement that accurately optimizes image quality and offers ultra-smooth visuals, it is the ideal tool for golf-sim applications and immersive content reproduction.
- Multi-screen color uniformity enables high color accuracy and eliminates chromatic discrepancies for consistent and coherent visual performance.

Revolutionize Projection with Streamlined Workflow

- The multiple powered optional lenses give the freedom to be fit into projects of all kinds.
- The APOS operating system and APCS control platform work fluently to provide peace-of-mind operation and remote management.
- Built-in multi-mode geometric corrections adapt flawlessly to irregular imaging surfaces, accommodating varied applications.

Enhanced Reliability in Harsh Environments

- All-new patented internal cooling technology manages the operating temperature of color wheel and motor for ultimate stability and longevity.
- IP6X rated dust-proof optical engine enables maintenance-free operation.

TEG™ Transformation Entertainment Group

TECHNICAL SPECIFICATIONS

Model		MK650A	MK750A
Display Technology		DLP*1, DLP Projection System	
Panel Size		0.47"DMD	
Resolution		3840×2160	
Brightness Output[1]		6,500lm(Center)	7,500lm(Center)
Light Source Type		ALPD5.0 Laser Light Source	
Light Source Lifetime[6]		20,000h	
Contrast[2]		≥100,000:1	
Uniformity		95%	
Display Gamut		Rec.709	
Optional Lenses		0.5:1(manual)，0.7-0.9:1，1.0-1.6:1，1.54-2.48:1	
Screen Size		80-300"	
Geometric Correction		Vertical & Horizontal Adjustment: V: ±35°， H:±35° 4-Point Keystone Correction, Curved Surface Correction (9 Ponits), Multi-Point Correction	
Optical Axis Shift		Vertical: ±100%, Horizontal: ±40%, Powered	
Input Resolution		4K 60HZ, 1080P 120HZ	
Terminal Interfaces	Video Interfaces	HDMI in ×2;HDMI out ×1;USB-A×2(Supports 5V/2A);	
	Audio Interfaces	S/PDIF×1	
	Control Interfaces	LAN(RJ45)×1;RS232(DB9)×1;3D SYNC×2(in/out);3D IR OUT×1;USB-B×1	
Power Supply		100~240VAC 50/60Hz	
Power Consumption	Standard	550W	600W
	Standby	<0.5W	
Orientation		360°Installation	
Noise[8]		36dB(Normal Mode)	
Structure	Measurements[3]	18.1"×15.26"×5.4"	
	Weight[4]	27.5lb(Lens not included)	
Working Environment	Temperature[5]	0°C~40°C(35°C~40°C ECO Mode)	
	Humidity	10%~85%(No Condensation	

1) Based on ISO21118 standard. 2) Full white/full black. 3) Not including protruding parts. 4) Including standard lens. Average value may vary from individuals. 5) Operation temperature will be 0°C-35°C when working under high altitude condition. Likewise, projection brightness will be reduced 50% if the ambient temperature exceeds 35°C. 6) The stated lifespan refers to the approximate usage time from the initial use of the projector until the light source luminosity decreases to 50%, based on accelerated testing results under simulated usage environments. This duration is not a guaranteed figure, as actual longevity may vary significantly depending on usage patterns, environmental conditions, and user habits. The brightness degradation of the projector mainly stems from laser light source attenuation, though it is not equivalent to direct laser source degradation. Operating in low-brightness mode can effective- ly extend the service life of the laser light source. 7) Calculated based on the equivalent area of the color gamut. 8) The test data was obtained at an environmental temperature of 25 °. 9) The goods need to be pre-ordered three months in advance.

Optional Lenses:

Model	ML050FR	ML070FR	ML100MA	ML153MA
Type	Short focus	Short focus	Standard	Telephoto
Throw Ratio	0.5:1	0.7 ~ 0.9:1	1.0 ~ 1.6:1	1.54 ~ 2.48:1
Zoom/ Focus Mode	Manual Focus	Motorized Focus & Zoom	Motorized Focus & Zoom	Motorized Focus & Zoom